

DATA VALIDATION CHECKLIST (Level III)				
Client Name: Pastor, Behling, & Wheeler		Project Number: 1352		
Property Location: Gulfco Superfund Site		Project Manager: Eric Pastor		
Laboratory: GCAL – Baton Rouge, LA		Laboratory Job No.: 207100310		
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)		Date Checked: 10/15/07		
ITEM	Yes	No	NA	Comment Number
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?	x			10.
11. Elevated reporting limits justified?	x			11.
12. MDLs reasonable per MDL check?	x			
13. Calibration data acceptable?	x			
14. ICV and CCV recoveries within project control limits?	x			
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?			x	
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?			x	
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?	x			
25. No elevated reporting limits?	x			24.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?	x			
31. Equipment and Trip blank results <RL (MDL)?		x		see Attachment 1
32. All COIs included in LCS?	x			
33. LCS recovery within project control limits?	x			
34. MS/MSD recoveries within project control limits?	x			
35. LCS/LCSD RPDs within project control limits?			x	
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?	x			
39. Surrogate recoveries within project control limits?			x	
40. Completeness percentage within project limits?	x			

Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference				
COMMENTS 10. Issues noted but all are based on laboratory limits, which do not affect flagging for this site. 11. Four samples and MS/MSD diluted due to chemical or physical interference. 24. Four samples diluted (2-5x) but only detects affected.				

SET SUMMARY
Laboratory Job No.: 207100310

29	Number of Field Samples including Field Duplicates (2)
2	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
1	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (Metals)
1	Number of Target Analytes per Sample (Lead only)
29	Total Measurements for Field Samples
29	Number of measurements with no validation qualifier (i.e., “none” in EDD)
0	Number of measurements with UJ flag
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of soil samples, including all soil borings (SB – Phase 1 and 2), Lot 19/20/21 surface soils (SS), and background soils (BSS), with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of soil samples, including all soil borings (SB), Lot 19/20/21 surface soils (SS), and background soils (BSS), project goal 80%) – Lead
99.1%	Completeness-to-date on an analyte level (percentage of soil samples, including all soil borings (SB), Lot 19/20/21 surface soils (SS), and background soils (BSS), project goal 80%) – all target analytes (i.e., all data points)

Usability: All data suitable for the intended use.

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
none			

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
L19/20-041007-EB	20710031035	EQBK	SW6010B	total	W	Lead	U to RRs < 5 x BlankEquivConc (none)	TRG	10/3/2007	14:25	10/3/2007	19:39	equipment blank contamination (0.013 B mg/L)	358692